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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/931,276	08/16/2001	H. Barteld Van Rees	RTN-122PUS	2017

22494 7590 08/25/2003  
DALY, CROWLEY & MOFFORD, LLP  
SUITE 101  
275 TURNPIKE STREET  
CANTON, MA 02021-2310

EXAMINER
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GOINS, DAVETTA WOODS

ART UNIT	PAPER NUMBER
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2632

DATE MAILED: 08/25/2003

12

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/931,276

Applicant(s)

VAN REES ET AL.

Examiner

Davetta W. Goins

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL.
- 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 7-11.

- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

***Information Disclosure Statement***

1. The information disclosure statements filed January 7, 2002 (paper # 4), March 19, 2002 (paper #5), and May 17, 2002 (paper #6), are missing from the file. A copy of these disclosures is needed in order to be considered by the Examiner.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3, 7, and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Hsu et al. (US Pat. 6,297,732 B2).

In reference to claim 1, Hsu discloses the claimed radar transceiver portably attached to the vehicle, which is met by sensor 13 adapted to detect radar signals, laser signals, or both; sensor 13 capable of providing RF communication between detector 11 instead of a connecting cable (col. 3, lines 45-57).

In reference to claim 2, Hsu discloses the claimed radar display portably attached to the vehicle, which is met by display module 37, as part of detector 11, the detector 11 may be mounted to any convenient location in vehicle 9 (col. 3, lines 18-30).

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In reference to claim 3, Hsu discloses the claimed radar display is portably attached to the interior of the vehicle, which is met by the detector unit 11, including display module 37, mounted to any convenient location such as the traditional dash-mount position as illustrated (col. 3, lines 18-30).

In reference to claim 7, Hsu discloses the claimed radar transceiver is portably attached to the interior of the vehicle, which is met by sensor 13 mounted to the top of the dashboard of the vehicle 9, or in any other convenient and operable position (col. 3, lines 39-44).

In reference to claim 8, Hsu discloses the claimed radar transceiver portably attached to the exterior of the vehicle, which is met by sensor packet 15, used to detect laser or radar, placed on top of the vehicle (col. 63-67, Figure 1).

#### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4, 5, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu et al. in view of Bell et al. (US Pat. 6,232,910 B1).

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In reference to claims 4, 5, 9, although Hsu does not specifically disclose the claimed radar display is portably attached to the exterior of the vehicle, he does disclose that display module 29, on the face of detector 11, can be placed in any location within the vehicle (col. 3, lines 18-30). The detector, including the display module 29, may also communicate with other sensors remotely via RF communication (col. 9, lines 33-62). Bell discloses a plurality of displays 224 (activated upon detection of radar sensors) provided in areas of the vehicle where the driver can see such as near the center of the rear window, either at the top of the window, at the bottom of the window, or both (col. 9, lines 46-60). Alternative displays 224 may be provided outside of the vehicle (col. 10, lines 26-42). Since Hsu discloses a display that's portable and can be placed in any location in the vehicle to ensure the driver is capable of seeing the display, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teaching, disclosed by Bell, by placing the display on the exterior of the vehicle, or on any window of the vehicle, so that the driver as well as other motorists can easily determine that the main vehicle has detected nearby person's or it's vehicle.

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu et al.

In reference to claim 6, although Hsu does not specifically disclose the claimed radar display disposed upon the radar transceiver, he does disclose the radar sensor 13 physically attached to the detector unit 11, which contains the display module 29 (col. 5, lines 59-67, Figure 1). Since Hsu discloses a display that's attached to the radar sensor, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the two and place the display on

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the radar transceiver to form one unit (make integral). *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965).

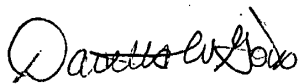
7. The prior art of record and not relied upon is considered pertinent to the applicant's disclosure as follows. Rossi (US Pat. 6,268,793 B1) and Paranjpe (US Pat. 6,339,369 B1), which are references that disclose radar sensors for vehicles.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davetta W. Goins whose telephone number is 703-306-2761. The examiner can normally be reached on Mon-Fri with every other Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Wu can be reached on 703-308-6730. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-7666.

Davetta W. Goins  
Art Unit 2632



D.W.G.  
August 21, 2003